Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/21/2021 09:11 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/15/2020 11:39 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	91417	Expiration Date:	03/31/2021
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124153	-1	2.67	124315	2.61
Blue	F	SSC	125000	122194	-3	3.61	123070	3.58
Blue	E	FITC	14203	13551	-5	2.99	294	15.39
Blue	D	PE	25703	25291	-2	2.73	548	10.51
Blue	B	PerCP-Cy5-5	42104	41202	-3	3.36	921	14.51
Blue	A	PE-Cy7	34646	34077	-2	4.63	488	30.33
Red	C	APC	49824	49000	-2	3.02	1499	11.31
Red	A	APC-Cy7	39773	38732	-3	3.06	728	11.76
Violet	B	V450	7447	7160	-4	4.20	408	12.41
Violet	A	V500	31193	30235	-4	3.96	690	10.21

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21612	2.91	552	-4	N/A	N/A	Pass
Blue	F	SSC	54024	3.09	514	2	N/A	N/A	Pass
Blue	E	FITC	54	57.02	486	0	0.0446	265	Pass
Blue	D	PE	108	39.92	489	4	0.4687	406	Pass
Blue	B	PerCP-Cy5-5	177	35.91	581	4	0.0198	76	Pass
Blue	A	PE-Cy7	109	65.68	625	5	0.0202	0	Pass
Red	C	APC	351	23.38	567	0	0.0284	76	Pass
Red	A	APC-Cy7	201	24.28	543	-1	0.0062	497	Pass
Violet	B	V450	90	39.02	454	5	0.0458	1278	Pass
Violet	A	V500	120	28.02	472	5	0.0242	431	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-32.36	-31.97	0.95
Blue	20.34	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.39
Red	20.97	15.99 - 23.99	N/A	N/A	30.22	30.54	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 11705

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments